

United States Department of Agriculture
Animal and Plant Health Inspection Service
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Ms. Susan Macintosh	PERMIT NUMBER:	P526P-18-01212
ORGANIZATION:	MacIntosh & Associates, Inc.	APPLICATION NUMBER:	P526-180522-003
ADDRESS:	1203 Hartford Ave Saint Paul, MN 55116-1622	FACILITY NUMBER:	N/A
MAILING ADDRESS:	1203 Hartford Ave Saint Paul, MN 55116-1622	HAND CARRY:	No
PHONE:	651-340-1262	DATE ISSUED:	06/04/2018
FAX:		EXPIRES:	04/06/2021
DESTINATION:	Bayer US LLC; Crop Science, 890 Embarcadero Drive, West Sacramento, CA 95605		
RELEASE:	No		


Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Autographa californica nuclear polyhedrosis virus	Microbial solutions	Research - Lab TX		Originally Collected from Within the Continental U.S.	
Chrysodeixis includens nucleopolyhedrovirus	Microbial solutions	Research - Lab TX		Originally Collected from Within the Continental U.S.	#460
Helicoverpa armigera Nucleopolyhedrovirus	Microbial solutions	Research - Lab TX		Originally Collected from Within the Continental U.S.	ABA-NPV-U
Spodoptera frugiperda SfMNPV	Microbial solutions	Research - Lab TX		Originally Collected from Within the Continental U.S.	3AP2

PERMIT CONDITIONS

USDA-APHIS issues this permit to Susan Macintosh, MacIntosh & Associates, Inc., 1203 Hartford Ave, St. Paul, MN 55116-1622. This permit authorizes the interstate movement and continued culture of any life stages (cultures) of Autographa californica nuclear polyhedrosis virus, Chrysodeixis includens nucleopolyhedrovirus (#460), Helicoverpa armigera Nucleopolyhedrovirus (ABA-NPV-U), and Spodoptera frugiperda SfMNPV (3AP2) from Texas to Tad Smith, Bayer US LLC, 890 Embarcadero Drive, West Sacramento, CA 95605, for research in the laboratory facilities and greenhouse facilities at that address.

This permit authorizes the possession and culture of these virus isolates, received as authorized under

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THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
 Robert Pfannenstiel	06/04/2018


WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

this permit for research in the research facility at the above address. Live cultures of other species, other isolates, or from other sources are not authorized under this permit.

1. • This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
- The permit number or a copy of the permit must accompany the shipment.
- You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
- You are legally responsible for complying with all permit requirements and permit conditions.
- If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
- Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

2. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,

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- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

- These organisms are to be maintained only in the laboratory areas at the work address indicated on this permit. Permit holder will safeguard the regulated article and preparations of the regulated article by minimally restricting access to authorized persons and conducting research activities, and utilizing capture/filtering procedures such that the organism remains in the confines of the laboratory environment.

This permit does not authorize field release/field research or interstate transport, or any other dissemination activities with these isolates outside of the facility described above, without another PPQ526 permit or amendment to this permit.


- Cultures must be shipped in sealed secure leak-proof containers (primary containers) that are enclosed in a second, durable container (secondary container) capable of retaining any and all material that spills or leaks from the primary container. Several primary containers may be enclosed in a single secondary container. Primary and secondary containers, as well as the outer shipping container must be of durable materials and construction and able to withstand typical shocks and impacts during transit, without breaking or leaking.

Place a copy of this permit with all shipments.

- Upon receipt of organisms regulated under this permit, all packing material media, packaging, substrate, and primary and, secondary shipping containers (that may have been in contact with primary containers) shall be either sterilized, or properly disposed of immediately after removing permitted material. Procedure for proper disposal: all material must be double bagged before entering the municipal waste stream.

Secondary containers, outer shipping containers and packing materials (such as cushioning material, icepacks) may be reused, only after sterilization by autoclave, or with bleach, or alcohol as per approved protocol (See condition #6).

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6. Upon completion of research, all cultures of the regulated article shall be devitalized. In addition, anything that has contacted the regulated organism will be decontaminated by autoclaving, other sterilization method (see below), or disposed of properly. Material can be soaked in a fresh bleach solution of 10 percent (1:10) for at least 30 minutes, in 70 percent alcohol, flamed with ethanol, or treated with quaternary ammonium compounds, or heated thoroughly to a uniform temperature of not less than 70 degrees C.

END OF PERMIT CONDITIONS

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